

cPCIS-6235R Series

2U Rackmount Chassis with Dual AC-Input Mini Redundant Power Supplies



Features

- 19" Rackmount, 2U height for 6U cPCI boards with 80 mm rear I/O
- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32/64-bit 3-slot CompactPCI® backplane with P3 & P5 rear I/O
- Built-in 300 W + 300 W Dual AC-input mini redundant power supply units
- LED indicators for power status, fan status, temperature alarm

Specifications

Enclosure	EIA RS-310C 19" 2U high Rackmount enclosure Coated metal plate outer covering Guarded power switch and alarm reset button
CompactPCI® Standards	2.0 R3.0, 2.1 R2.0, 2.5 R1.0
Form Factor	6U CompactPCI® with 80 mm depth rear I/O
Backplane	cBP-6103R: 3-slot 32-bit 6U cPCI CT bus backplane cBP-6403R: 3-slot 64-bit 6U cPCI CT bus backplane cBP-6403R/N110: 3-slot 64-bit 6U cPCI without CT bus backplane
Power Supply	300 W + 300 W dual AC-input mini redundant power supplies with cooling fan Active PFC (full range), meets IEC-1000-3-2 CLASS D Dual-AC inlet with EMI noise filter: FCC Class B, CISPR22 Class B
Cooling	Two 40 mm DC fans per module
AC Input	Full Range, 100~220 VAC (±10%) Frequency Range: 47-63 Hz
DC Output	32 A @ +5 V, 20 A @ +3.3 V, 16 A @ +12 V, 0.8 A @ -12 V, 0.5 A @ -5 V, 1.5 A @ +5 Vsb Maximum Total Output for +5 V and +3.3 V: 35 A Maximum Total Output for +5 V, +3.3 V and +12 V: 285 W Efficiency: 63% at 115 V, full load
Temperature Range	Operating 0°C to 40°C, Storage -20°C to 80°C
Certifications	UL 1950, CSA 22.2 NO/ 950, TÜV IEC 950
Dimensions	220 x 120 x 85 (mm, H x W x D)
LED Indicators	Six LEDs indicate power voltage status on +3.3 V, +5 V, +12 V and -12 V, fan status and temperature alarm
Cooling System	Front access hot swappable fan tray with three fan modules for exhaust • Fan type: 12 V DC brushless • Rated speed: 4000 RPM • Rated current: 0.22 A (Max 0.33 A) • Max air flow: 48.2 CFM • Acoustical noise: 41 dBA • MTBF: 70,000hrs • Three LEDs indicate fan status
Dimensions	484.1 x 88.1 x 358.8 (mm, W x H x D, w/ handle)
Weight	17.1 kg/38 lbs
Operating Temp.	0°C to 40°C
Storage Temp.	-20°C to 80°C
Humidity	5% to 95%, non-condensed
Shock	15 G peak to peak, 11 ms duration, non-operation
Vibration	Non-operation: 1.88 Grms, 5-500 Hz, each axis Operation: 0.50Grms, 5-500Hz, each axis, tested with 2.5" HDD

Recommended Configurations

CPU Board (System slot)	Rear I/O Board
cPCIS-6235R cPCI-6965, cPCI-6965D	cPCI-R6000L, cPCI-R6000D-L, cPCI-R6111
cPCIS-6235R/64 cPCI-6510, cPCI-6510V	cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6210, cPCI-R6200
cPCI-6880, cPCI-6880P	cPCI-R6000P, cPCI-R6002, cPCI-R6002D, cPCI-R6100, cPCI-R6110, cPCI-R6200
cPCI-6870	cPCI-R6001P, cPCI-R6101, cPCI-R6111

Ordering Information

Model Number	cPCI Bus	PSU Type	CMM	PSU MAX	AC-INPUT	H.110	Alarm Board
cPCIS-6235R	32-bit/33MHz	ATX	--	300W	2	Y	Basic Alarm Module
cPCIS-6235-R/64	64-bit/66MHz	ATX	--	300W	2	Y	Basic Alarm Module
cPCIS-6235-R/64/N110	64-bit/66MHz	ATX	--	300W	2	N	Basic Alarm Module

Mechanical Layout



Rear View

